CDS 4000 Conference Discussion System Central Unit

CU 4005 CU 4010

The CU 4005/4010 Central Unit is a microprocessor based unit designed for the CDS 4000 Conference Discussion System. It is used as the basic control unit, when a fully automatic system is required, or as a power supply, when computer control or external control is required.

Up to ten CU 4010 units can be linked for controlling up to 1000 microphones. The CU 4010 includes an amplifier for conference units with built-in loudspeakers.

All 4000 conference units can be connected to the CU 4010 to form a complete Conference Discussion System.

CU 4010 features:

- CONTROL OF UP TO 1000
  of all series 4000 microphones by linking up to ten CU 4010 units.
- EXTERNAL CONTROL POSSIBLE
  RS232/RS422 connection for PC, Room Control Systems as AMX, Crestron or other control devices.
- MULTI MODES OF OPERATION
  Automatic and FIFO operation as stand alone. Further Manual or any custom required operation when controlled from the MC 4000 Microphone Control or PC.
- VOLUME CONTROLS
  Volume Controls for Conference Units loudspeaker level and External Input level.
- LCD DISPLAY
  Alphanumeric LCD Display for displaying the actual mode, number of conference units, etc.
- INPUT/OUTPUT´s
  for a variety of external devices such as interpretation equipment, tele-phone coupler, tape recorder, etc.
- TEST FUNCTION
  Automatic test program built-in for testing the system and the individual conference units.
- PROGRAMMING
  Menu guided programming of number of speakers, number of requests, operation mode.
- UP TO 10 CHAIRMAN UNITS
  may be connected anywhere in the daisy chain.

One CU 4005 can control up to 50 conference units whereas one CU 4010 can control up to 100 units. Otherwise the two units are identical.

How to order

Conference units:	Order no.:
CU 4005	15 09 55501
CU 4010	15 09 55581
RS232/422 card for CU 4005/CU 4010	15 09 46491
MC 4000 Mic. Control	15 09 05562

Extension Cable between CU 4005/4010 and to MC 4000:

Cables:	Order no.:
EC 4010-01, 1m	15 51 05563
EC 4010-05, 5 m	15 51 05565
EC 4010-10, 10m	15 51 05566

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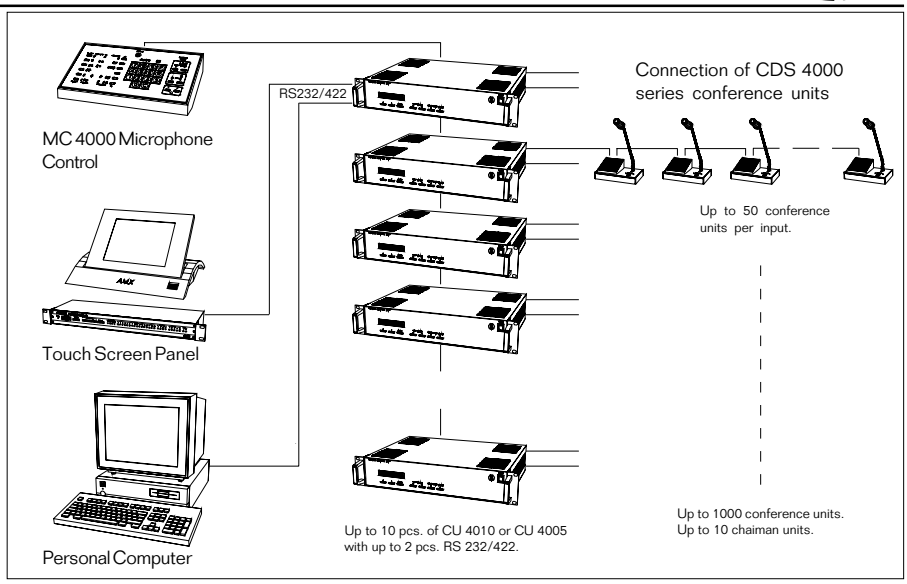
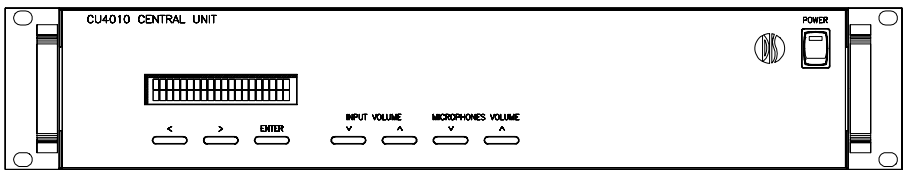
CDS 4000 Conference Discussion System

CU 4005 CU 4010

Installation

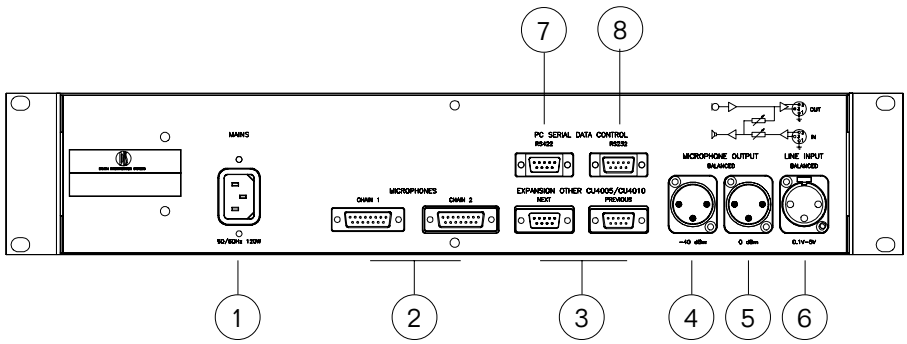

MC 4000 Microphone Control
RS232/422
Connection of CDS 4000 series conference units
Up to 50 conference units per input.
Touch Screen Panel
Personal Computer
Up to 10 pcs. of CU 4010 or CU 4005 with up to 2 pcs. RS 232/422.
Up to 1000 conference units.
Up to 10 chaiman units.

Controls



Front controls: Microphone Volume, External Input Volume & Keys for selecting modes etc.

Input/Output



Conn. No.	Input - Output	Type	Signal Level	Input Output Impedance
1	Mains supply		110-260V,50/60Hz	
2	Microphone connection:			
	CU 4005 - chain 1	15 p. "D-Sub" female		"0 E"
	CU 4010 - chain 1 & 2	15 p. "D-Sub" female		"0 E"
3	Connection to other CU 40xx´s	9 p. "D-Sub" female & male		
4	Optional Audio Output, Bal.	3 p. XLR male	-40 dBm	200 E
5	Audio Output, Bal.	3 p. XLR male	0 dBm	600 E
6	External Audio Input, Bal.	3 p. XLR female	0 dBm (100mV - 5V)	100 K
7	Optional RS422 In/Output	9 p. "D-Sub" female		
8	Optional RS232 In/Output	9 p. "D-Sub" male		

Specifications

Microphone capacity:
CU 4005: 50 units in one chain
CU 4010: 100 units in two chains

Frequency Response:
Mic. in to line out: 35Hz - 19kHz
Mic. in to LS out: 100Hz - 13kHz
Line in to LS out: 130Hz - 13kHz

THD: < 0,1 % S/N: >68dBA

Dimension w/o handles:
W x H x D: 475 x 88 x 317 mm

Power consumption: 140W/360W CU4005/CU4010

LS Power: >30W/50Vmax (CU4005)
>60W/50Vmax (CU4010)

Weight: 8,9 kg.

Data subject to change without notice in interest of product improvements.

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